d hist   *Search*

(FILE 'HOME' ENTERED AT 13:38:40 ON 08 JUN 2002)

FILE 'REGISTRY' ENTERED AT 13:38:55 ON 08 JUN 2002
L1   STRUCTURE UPLOADED
L2   1 S L1
L3   27 S L1 FULL
L4   STRUCTURE UPLOADED
L5   8 S L4
L6   76 S L4 FULL

FILE 'CAPLUS' ENTERED AT 13:40:38 ON 08 JUN 2002
L7   0 S L3/PREP AND L6
L8   8 S L3/PREP

FILE 'CAPLUS, MEDLINE, BIOSIS, SCISEARCH, USPATFULL' ENTERED AT 13:45:25
ON 08 JUN 2002

FILE 'STNGUIDE' ENTERED AT 13:46:26 ON 08 JUN 2002

FILE 'REGISTRY' ENTERED AT 14:13:27 ON 08 JUN 2002
L9   STRUCTURE UPLOADED
L10   7 S L9
L11   136 S L9 FULL

FILE 'CAPLUS' ENTERED AT 14:14:17 ON 08 JUN 2002
L12   1 S L11/PREP AND L6
L13   68 S (IODINE(S)MAGNESIUM(S)EXCHANG?) OR (HALOGEN(S)MAGNESIUM(S)EXC
L14   6 S L11 AND L13

FILE 'CAPLUS, MEDLINE, BIOSIS, EMBASE, SCISEARCH, USPATFULL' ENTERED AT
14:27:28 ON 08 JUN 2002
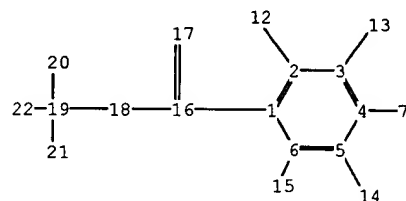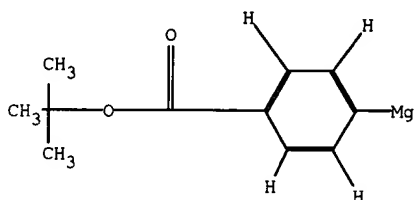
FILE 'MEDLINE' ENTERED AT 14:29:33 ON 08 JUN 2002

FILE 'STNGUIDE' ENTERED AT 14:30:18 ON 08 JUN 2002

FILE 'CAPLUS' ENTERED AT 14:45:11 ON 08 JUN 2002

FILE 'STNGUIDE' ENTERED AT 14:48:06 ON 08 JUN 2002

FILE 'REGISTRY' ENTERED AT 15:40:31 ON 08 JUN 2002

FILE 'STNGUIDE' ENTERED AT 15:40:42 ON 08 JUN 2002

```
chain nodes :
    7   12   13   14   15   16   17   18   19   20   21   22
ring nodes :
    1   2   3   4   5   6
chain bonds :
    1-16   2-12   3-13   4-7   5-14   6-15   16-17   16-18   18-19   19-20   19-21
    19-22
ring bonds :
    1-2   1-6   2-3   3-4   4-5   5-6
exact/norm bonds :
    16-17   16-18   18-19
exact bonds :
    1-16   2-12   3-13   4-7   5-14   6-15   19-20   19-21   19-22
normalized bonds :
    1-2   1-6   2-3   3-4   4-5   5-6
isolated ring systems :
    containing 1 :


G2:X

G3:X,Cl,Br,F

G4:X,H

Match level :
    1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:CLASS   12:CLASS
    13:CLASS   14:CLASS   15:CLASS   16:CLASS   17:CLASS   18:CLASS   19:CLASS
    20:CLASS
```
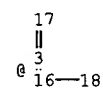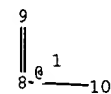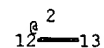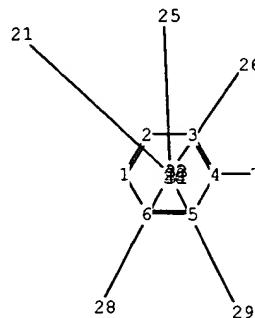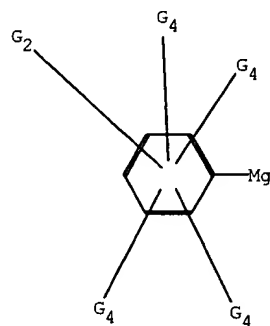
chain nodes :
     7   8   9   10   12   13   16   17   18   21   25   26   28   29
ring nodes :
     1   2   3   4   5   6
chain bonds :
     4-7   8-9   8-10   12-13   16-17   16-18
ring bonds :
     1-2   1-6   2-3   3-4   4-5   5-6
exact/norm bonds :
     8-9   8-10   12-13   16-17   16-18
exact bonds :
     4-7
normalized bonds :
     1-2   1-6   2-3   3-4   4-5   5-6
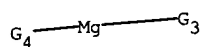isolated ring systems :
     containing 1 :

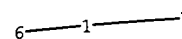G2:X,[*1],[*2],[*3]

G3:X,Cl,Br,F

G4:X,H,[*1],[*2],[*3]

Match level :
     1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:CLASS   8:CLASS   9:CLASS
     10:CLASS   12:CLASS   13:CLASS   16:CLASS   17:CLASS   18:CLASS   21:CLASS
     22:CLASS   25:CLASS   26:CLASS   28:CLASS   29:CLASS   30:CLASS   31:CLASS
     32:CLASS

G4———Mg———G3

6———1———7

4

chain nodes :
    1   4   6   7
chain bonds :
    1-6   1-7   4-4   4-4
exact/norm bonds :
    1-6   1-7
exact bonds :
    4-4   4-4

G2:X

G3:X,Cl,Br,F

G4:CH3,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu,Ph

Match level :
    1:CLASS   4:CLASS   6:CLASS   7:CLASS

L Number	Hits	Search Text	DB	Time stamp
–	12867	grignard or arylmagnesium	USPAT	2002/06/08 12:38
–	5822	(halogen with magnesium) or (iodine with magnesium) or (bromine with magnesium)	USPAT	2002/06/08 12:39
–	302458	exchang$	USPAT	2002/06/08 12:39
–	169	((halogen with magnesium) or (iodine with magnesium) or (bromine with magnesium)) same exchang$	USPAT	2002/06/08 12:40
–	52	(grignard or arylmagnesium) and (((halogen with magnesium) or (iodine with magnesium) or (bromine with magnesium)) same exchang$)	USPAT	2002/06/08 12:40